

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NO 2004/000325

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B66C 1/38, B66C 1/36 // F16B 45/02  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B66C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                   | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | US 4416480 A1 (MOODY), 22 November 1983<br>(22.11.1983)<br>--  | 1,4-9                 |
| X         | DE 3938364 A1 (HOLSTE, DIETER), 23 May 1991<br>(23.05.1991), figures 1-6<br>--                       | 1                     |
| X         | WO 8607582 A1 (KONSTRUKTIONSTEKNIK I RAMNÄS AB),<br>31 December 1986 (31.12.1986), figures 1-5<br>-- | 1                     |
| X         | US 4095833 A1 (LEWIS), 20 June 1978 (20.06.1978),<br>figures 1-7<br>--                               | 1                     |

☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

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  - "O" document referring to an oral disclosure, use, exhibition or other means
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- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
21 February 2005

Date of mailing of the international search report  
22 -02- 2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages        | Relevant to claim No. |
|-----------|---|-----------------------|
| X         | DE 3801483 A1 (SUDHOP, HELMUT), 3 August 1989<br>(03.08.1989), figures 1-6<br>--<br>----- | 1                     |

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

30/01/2005

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PCT/NO 2004/000325

|    |         |    |            |      |             |            |
|----|---------|----|------------|------|-------------|------------|
| US | 4416480 | A1 | 22/11/1983 | NONE |             |            |
| DE | 3938364 | A1 | 23/05/1991 | NONE |             |            |
| WO | 8607582 | A1 | 31/12/1986 | AU   | 5958186 A   | 13/01/1987 |
|    |         |    |            | EP   | 0259337 A   | 16/03/1988 |
|    |         |    |            | JP   | 63500029 T  | 07/01/1988 |
|    |         |    |            | NO   | 161904 B,C  | 03/07/1989 |
|    |         |    |            | NO   | 870565 A    | 12/02/1987 |
|    |         |    |            | SE   | 453074 B,C  | 11/01/1988 |
|    |         |    |            | SE   | 8503067 A   | 20/12/1986 |
|    |         |    |            | US   | 4767144 A   | 30/08/1988 |
| US | 4095833 | A1 | 20/06/1978 | CA   | 1066322 A   | 13/11/1979 |
|    |         |    |            | DE   | 2751098 A,C | 01/06/1978 |
|    |         |    |            | FI   | 62516 B,C   | 30/09/1982 |
|    |         |    |            | FI   | 773432 A    | 19/05/1978 |
|    |         |    |            | NL   | 178958 B,C  | 16/01/1986 |
|    |         |    |            | NL   | 7712645 A   | 22/05/1978 |
|    |         |    |            | SE   | 433486 B,C  | 28/05/1984 |
|    |         |    |            | SE   | 7713056 A   | 19/05/1978 |
| DE | 3801483 | A1 | 03/08/1989 | NONE |             |            |